

WHAT IS CLAIMED IS:

1. A data storage device comprising:  
a plurality of storing means for storing data;  
writing means for writing data to any of said  
storing means;  
reading means for reading data from any of said  
storing means; and  
addressing means which, when data are to be either  
written by said writing means or read by said reading  
means, addresses said storing means in desired increments  
by use of a unique address.

2. A data storage device according to claim 1,  
wherein said addressing means has a plurality of  
organizing methods for organizing said storing means into  
increments for collective addressing, each of the methods  
causing said storing means to be addressed in desired  
increments by use of another unique address, (said desired  
increments including the same storing means.)

3. A data storage device according to claim 2,  
wherein said data are image data, and wherein said  
organizing methods include a method for organizing one-  
byte data in increments of pixels, and a method for  
organizing one-byte data by dividing the pixel-by-pixel  
one-byte data into desired increments of bits.

4. A data storage device according to claim 1,  
wherein said addressing means maps the same storing means  
in different address spaces.

5. A data storing method for transferring data  
from source addresses to destination addresses for  
storage, the method comprising the steps of:

temporarily storing all input data;

successively retrieving out of said input data only  
those data items corresponding to addresses picked in  
desired increments; and

successively transferring the retrieved data items  
from said source addresses to said destination addresses  
for storage.